

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: June 6, 2001, 19:42:49 ; Search time 3282.2 Seconds  
(Without alignments)  
9558.578 Million cell updates/sec

Title: US-09-494-297-1

Perfect score: 2274  
Sequence: 1 atgaagaaacaaaggttcc.....ggataagaacacatgactag 2274

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 13168883 seqs, 6898233199 residues

Total number of hits satisfying chosen parameters: 26337766

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Pending\_Patents\_NA\_Main:\*

- 1: /cgnl\_7/ptodata/1/pna/US0954\_COMB.seq.\*
- 2: /cgnl\_7/ptodata/1/pna/US06\_COMB.seq.\*
- 3: /cgnl\_7/ptodata/1/pna/US07\_COMB.seq.\*
- 4: /cgnl\_7/ptodata/1/pna/US08\_COMB.seq.\*
- 5: /cgnl\_7/ptodata/1/pna/US081\_COMB.seq.\*
- 6: /cgnl\_7/ptodata/1/pna/US082\_COMB.seq.\*
- 7: /cgnl\_7/ptodata/1/pna/US083\_COMB.seq.\*
- 8: /cgnl\_7/ptodata/1/pna/US084\_COMB.seq.\*
- 9: /cgnl\_7/ptodata/1/pna/US085\_COMB.seq.\*
- 10: /cgnl\_7/ptodata/1/pna/US086\_COMB.seq.\*
- 11: /cgnl\_7/ptodata/1/pna/US087\_COMB.seq.\*
- 12: /cgnl\_7/ptodata/1/pna/US088\_COMB.seq.\*
- 13: /cgnl\_7/ptodata/1/pna/US089\_COMB.seq.\*
- 14: /cgnl\_7/ptodata/1/pna/US090\_COMB.seq.\*
- 15: /cgnl\_7/ptodata/1/pna/US091\_COMB.seq.\*
- 16: /cgnl\_7/ptodata/1/pna/US092\_COMB.seq.\*
- 17: /cgnl\_7/ptodata/1/pna/US093\_COMB.seq.\*
- 18: /cgnl\_7/ptodata/1/pna/US094\_COMB.seq.\*
- 19: /cgnl\_7/ptodata/1/pna/US095A\_COMB.seq.\*
- 20: /cgnl\_7/ptodata/1/pna/US095B\_COMB.seq.\*
- 21: /cgnl\_7/ptodata/1/pna/US095C\_COMB.seq.\*
- 22: /cgnl\_7/ptodata/1/pna/US095D\_COMB.seq.\*
- 23: /cgnl\_7/ptodata/1/pna/US096A\_COMB.seq.\*
- 24: /cgnl\_7/ptodata/1/pna/US096B\_COMB.seq.\*
- 25: /cgnl\_7/ptodata/1/pna/US096C\_COMB.seq.\*
- 26: /cgnl\_7/ptodata/1/pna/US096D\_COMB.seq.\*
- 27: /cgnl\_7/ptodata/1/pna/US096E\_COMB.seq.\*
- 28: /cgnl\_7/ptodata/1/pna/US097A\_COMB.seq.\*
- 29: /cgnl\_7/ptodata/1/pna/US097B\_COMB.seq.\*
- 30: /cgnl\_7/ptodata/1/pna/US097C\_COMB.seq.\*
- 31: /cgnl\_7/ptodata/1/pna/US098\_COMB.seq.\*
- 32: /cgnl\_7/ptodata/1/pna/US0980\_COMB.seq.\*
- 33: /cgnl\_7/ptodata/1/pna/US0981\_COMB.seq.\*
- 34: /cgnl\_7/ptodata/1/pna/US0982\_COMB.seq.\*
- 35: /cgnl\_7/ptodata/1/pna/US0983\_COMB.seq.\*
- 36: /cgnl\_7/ptodata/1/pna/US0984\_COMB.seq.\*
- 37: /cgnl\_7/ptodata/1/pna/US0985\_COMB.seq.\*
- 38: /cgnl\_7/ptodata/1/pna/US0986\_COMB.seq.\*
- 39: /cgnl\_7/ptodata/1/pna/US0987\_COMB.seq.\*
- 40: /cgnl\_7/ptodata/1/pna/US0988\_COMB.seq.\*
- 41: /cgnl\_7/ptodata/1/pna/US0989\_COMB.seq.\*
- 42: /cgnl\_7/ptodata/1/pna/US0990\_COMB.seq.\*
- 43: /cgnl\_7/ptodata/1/pna/US0991\_COMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	58.8	2.6	535	28 US-09-705-926-16876	Sequence 16876, A
2	58.2	2.6	425	51 US-60-197-872-73058	Sequence 73058, A
3	57.8	2.5	617	22 US-09-553-094-12310	Sequence 12310, A
4	56.6	2.5	4677	1 PCT-US99-26796-392	Sequence 392, A
5	56.6	2.5	32382	26 US-09-662-254-27	Sequence 27, A
6	56	2.5	11922	1 PCT-US99-26796-330	Sequence 320, A
7	55.6	2.4	591	25 US-09-654-617-428715	Sequence 428715, A
8	55.6	2.4	591	27 US-09-684-016-428715	Sequence 428715, A
9	55.4	2.4	570	22 US-09-565-306-26113	Sequence 26113, A
C 10	55.4	2.4	636	18 US-09-406-292A-4371	Sequence 4371, A
11	53.8	2.4	5940	1 PCT-US99-26796-238	Sequence 238, A
12	53.8	2.4	10721	38 US-60-068-228-325	Sequence 325, A
13	53.8	2.4	10736	35 US-60-038-081-318	Sequence 318, A
14	53.8	2.4	10736	36 US-60-046-933-323	Sequence 323, A
C 15	53.6	2.4	1748	24 US-09-620-134-146187	Sequence 146187, A
C 16	53.6	2.4	1748	28 US-09-702-134-146187	Sequence 146187, A
C 17	53.6	2.4	1748	46 US-60-144-351-2763	Sequence 2763, A
C 18	53.4	2.3	7218	8 US-08-466-194-14	Sequence 14, A
C 19	52.4	2.3	989	17 US-09-397-761A-7729	Sequence 7729, A
C 20	52.2	2.3	50000	26 US-09-662-254-26	Sequence 2503, A
21	52	2.3	712	17 US-09-397-761A-2503	Sequence 2503, A
22	52	2.3	957	18 US-09-457-658-2159	Sequence 2159, A
23	51.4	2.3	957	18 US-09-652-127-5864	Sequence 5864, A
24	51.4	2.3	798	52 US-60-207-458-38621	Sequence 38621, A
25	51.4	2.3	1998	1 PCT-US99-26796-345	Sequence 345, A
26	51.2	2.3	573	53 US-60-211-750-9818	Sequence 9818, A
27	51.2	2.3	902	29 US-09-739-449-1929	Sequence 1929, A
28	51.2	2.3	1527	1 PCT-US99-26796-254	Sequence 254, A
29	50.8	2.2	660	18 US-09-406-292A-524	Sequence 524, A
30	50.6	2.2	445	52 US-60-207-458-14512	Sequence 14512, A
31	50.4	2.2	470	52 US-60-209-830-1978	Sequence 1978, A
32	50.2	2.2	484	17 US-09-304-517A-27160	Sequence 27160, A
33	50.2	2.2	484	18 US-09-440-687-24108	Sequence 24108, A
34	50.2	2.2	484	25 US-09-654-617-73974	Sequence 73974, A
35	50.2	2.2	484	27 US-09-684-016-73974	Sequence 73974, A
36	50.2	2.2	484	46 US-60-144-084-34889	Sequence 34889, A
C 37	50.2	2.2	15016	1 PCT-US99-01972-60	Sequence 60, A
C 38	50	2.2	423	17 US-09-394-745-44113	Sequence 44113, A
C 39	50	2.2	423	22 US-09-565-306-68010	Sequence 68010, A
C 40	50	2.2	423	25 US-09-654-617-330054	Sequence 330054, A
C 41	50	2.2	423	27 US-09-684-016-330054	Sequence 330054, A
C 42	50	2.2	484	51 US-60-197-872-33247	Sequence 33247, A
C 43	49.8	2.2	86748	20 US-09-534-859-664	Sequence 664, A
44	49.8	2.2	594	52 US-60-207-458-60491	Sequence 60491, A
45	49.8	2.2	621	25 US-09-652-109-5731	Sequence 5731, A





QY	1362	atataccatattgaggcgctgtagc--ccctttaaattacacgtagaaccgaagatcac	1419
Db	7505	attattaaatttctctacaacaataccgaatgcttttagacataatattgtaataaataacat	7554
QY	1420	gattccctgacctt---ctttaaacaatalcaaaaaagtaattggaagaggtttacagggaa	1476
Db	7565	tataaaactattggaattatttacttaactaatttaataaattatctatatttataacatga	7624
QY	1477	aagagcaaacctatttgatgattagtgcttcaactgagacaaattgcgtgcgtactcag	1536
Db	7625	aattaatagatataatgataaatttaaatcattcagaatttaacaatatttaaatattgtac	7684
QY	1537	ttagcaatataatttttcaactgtagtgctggaattagataaagataaactaaagacat	1596
Db	7685	taataatattatgattgattttaaatttttaaaaaactgttaaatataaaatatatgaatt	7744
QY	1597	catggtcttgagagacatgaaatgtagtaacttttagcaggttgcataaatccctgtlagaatac	1656
Db	7745	aataaataataataaaaaataaaataacgcttttgtagtaataatataataataaagtttaa	7804
QY	1657	gtcaagatagtaacctccacagcgtcaactgacactgtgattcttatttcocagataacat	1716
Db	7805	aagttattatcatt--aaaaattgaaataatagatagatagataactatgaaaaaaatcgt	7862
QY	1717	aaatatcaatcccttatttggaaactcgtggcabcagaaagattcgttgatataattcgt	1776
Db	7863	aatttaatactattggaagtattacacttaaaataatgatatagataaataataattt	7922
QY	1777	atggaagataaaaaagagatgtatacctgtaactcatcaatttaaaccttgagaaaaacggtg	1836
Db	7923	atagaaaataattttaaatttaactcggaattaaatttgatagataataatataataataata	7982
QY	1837	actggttttagctggttgacagaaactaaagatttccatttgaattgaattgaataaaaaaat	1896
Db	7983	aattcctttaaaatgttttaaaaaaaaataaaaaatactatcataaaaaacaacatatatt	8042
QY	1897	aagaaagaatttgcttcttccaactglttaaacgataaacacaactcogaatttaagat	1956
Db	8043	gataataaacocatattatatacttaaatatatttaattatattatataataaataataat	8102
QY	1957	gtlaaaccaaccatlaatttaaaacgttggaagtttaacactccaaggtttaccagaa	2016
Db	8103	ataaagagataataatttttaagaatatttaaaaaataaatattgatttatatatgatgat	8162
QY	2017	ggttatctcctta 2027	
Db	8163	tattatatacca 8173	

```

RESULT 6
PCT-US99-26796-320
: Sequence 320, Application PC/TUS9926796
: GENERAL INFORMATION:
: APPLICANT: United States Government as Re
: APPLICANT: Secretary of the Navy
: TITLE OF INVENTION: Chromosome 2 Sequence
: TITLE OF INVENTION: Plasmodium falciparum
: TITLE OF INVENTION: Chromosome useful in
: TITLE OF INVENTION: Diagnostic Reagents
: FILE REFERENCE:
: CURRENT APPLICATION NUMBER: PCT/US99/26796
: CURRENT FILING DATE: 1999-11-05
: NUMBER OF SEQ ID NOS: 420
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 320
: LENGTH: 11922
: TYPE: DNA
: ORGANISM: Plasmodium falciparum
PCT-US99-26796-320

```

Query Match	2.58;	Score 56;	DB 1;	Length 11922;
Best Local Similarity	41.38;	Pred. No. 0.32;		

Matches	380;	Conservative	0;	Mismatches	540;	Indels	0;	Gaps	0;
QY	988	aatgatatgagaaagaattgaaactatcagatggaacttaacttaactgaattgaaat	1047						
Db	10261	aatacaaaatcacaaataaaaattctgatacagaataacataatgacatgacatatataat	10320						
QY	1048	tctccagcgggtatagatcgcgcagagcccaactcacttttaagttggaagctggcaagtg	1107						
Db	10321	gatgcataatacctaaygacataataatcataatgacgcataatcatatagatgca	10380						
QY	1108	tatactattatgtgtaaaaaacagatltgaaaatcccaataaagagatgtagacctaac	1167						
Db	10381	tataatcataatgacgatcataataatcataatgtagatataatcatatcatatgacataat	10440						
QY	1168	tcaatgagaagcatataaygattttgaagaattttagcggttttaactcacacaaacatgca	1227						
Db	10441	cataatgacgcatataatcatatgataatgataagataacataatgatacagatataatagt	10500						
QY	1228	aaatttatatgcaaaaataaagaattggaagttcacaggttgcctatgctttaatgca	1287						
Db	10501	gataattataatcttcataataataataaggaacttaataaattatcgcgtatcctatgtag	10560						
QY	1288	gactcaaaaatcccaaccagactcgaagaatggtyggaaaaacaatgactccagaacttaca	1347						
Db	10561	gaaagatatattccaagatatataatatacaaacgattgattatgtaatatcaaatataat	10620						
QY	1348	acaagagaagatataatacactcatatttgcaagttcgtacctcttaaatatcigtgaaa	1407						
Db	10621	tttccataaataataatataatcaaaaacagctccaaaggataatagccatactatactagt	10680						
QY	1408	ccaagagataccgactccctgcacacttctcttaaacacatccaanaaagttaatgagaaggt	1467						
Db	10681	tgggttgatgataatttaatatatcatcttatctattcatttaataagaanaatatatccaaa	10740						
QY	1468	tacagggaaaaaaggacaagctatgagtagtggctctaacctgagacacaaattgcgtgcg	1527						
Db	10741	aaaaaaaacaaaacaaaacaaataaanaatagagaagaagaaaaaagaanaaatgaa	10800						
QY	1528	gctactcagttgcacatatattatttccactgttagtgcgtgaattgataagataaacta	1587						
Db	10801	attatacacaatgaaagttgaaatatttcttagaagcattttaaatgtyttagggaaatta	10860						
QY	1588	aaagactacatcggttttggagacatgaaatgatagtactttagcsgtgcitaaatccctt	1647						
Db	10861	tcagatcgtatttaattttctattttttaaanaalcgaaaaaataattgtctagctatttt	10920						
QY	1648	gtagaatacgcctcaagaatgtaactccctcacagctaaactgacctgattctttattccg	1707						
Db	10921	gaagataccctactatctatgtygaactactcaacaaaatacttattatgttaatttat	10980						
QY	1708	aatacaataaataatcaactctcttatttggaaactgctgacccgcgaagaattagttgat	1767						
Db	10981	aataataaataatcttctaatactttaatgtaaaagagttgacacatatttattttat	11040						
QY	1768	attattcgtatggaagataaaaaagaagttatcacgtytaactcacaatttaacatgaga	1827						
Db	11041	ataaatagatatttgaaaaatctcaattacgcgaaaaaagatattatatatccatagtg	11100						
QY	1828	aaaacggtgactggtttagctgtygacagaaactaaagaattcccatittgaaatgaaata	1887						
Db	11101	cccttagaattatgcatcaacaatgctacttaataatcaagataaanaaaaaaanaaaa	11160						
QY	1888	aaaaataataagcaagaatt	1907						
Db	11161	aaatcacacaaaaatgtaact	11180						

RESULT 7  
US-09-654-617-428715/c  
; Sequence 428715, Application US/09654617  
; GENERAL INFORMATION:  
; APPLICANT: KOVALIC, David K.  
; APPLICANT: Liu, Jingdong

```
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 428715
; LENGTH: 591
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-654-617-428715
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Query Match 2.4%; Score 55.6; DB 25; Length 591;  
Best Local Similarity 45.8%; Pred. No. 0.16; Mismatches 269; Indels 3; Gaps 1;

```
Matches 230; Conservative 0; Mismatches 269; Indels 3; Gaps 1;

QY 1659 tcaagatagatccctccacagctgacctgattcttcttccgatacaataa 1718
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 567 TTTAAATATATATATATATATATATATATATATATATATATATATATAT 508

QY 1719 atatcaatctcttatggaactcagtgccatccagaagattgattatctg 1778
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 507 ATATTTAAATATATATATATATATATATATATATATATATATATATAT 448

QY 1779 ggaagataaaaaagaatttacctgtaactcaatttaccttgagaacacggtgac 1838
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 447 AAATTTAAATATATATATATATATATATATATATATATATATATATAT 388

QY 1839 tgggttaccggtgacagcaactaaagattccatttgaattgaatlaaaaaat 1895
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 387 ATTTATATATATATATATATATATATATATATATATATATATATATAT 328

QY 1896 taagcaagaattgcttctccaactgltaaaacagataaacaacctcgaa 1955
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 327 TAAAAAATATATATATATATATATATATATATATATATATATATATAT 268

QY 1956 tggtaagacacccattatltaaacatggggaagtttaccttcaagttaccaga 2015
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 267 GTATTTAAATATATATATATATATATATATATATATATATATATATAT 208

QY 2016 aggttattcttacctgltcaagaacagattcgaagctataagttlaagttag 2075
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 207 AATTATATATATATATATATATATATATATATATATATATATATATAT 148

QY 2076 ccaagaagtagcaaatgctacagtttcaaaaaacagataaacaagtagagacactg 2135
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 147 ACAACATATATATATATATATATATATATATATATATATATATATAT 88

QY 2136 ttltgaaataataaagagcct 2157
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 87 TTGCTAACATCTTAAAAACAT 66
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```
RESULT 8
US-09-684-016-428715/C
; Sequence 428715, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 428715
; LENGTH: 591
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-684-016-428715
```

Query Match 2.4%; Score 55.6; DB 27; Length 591;  
Best Local Similarity 45.8%; Pred. No. 0.16; Mismatches 269; Indels 3; Gaps 1;

```
Matches 230; Conservative 0; Mismatches 269; Indels 3; Gaps 1;

QY 1659 tcaagatagatccctccacagctgacctgattcttcttccgatacaataa 1718
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 567 TTTAAATATATATATATATATATATATATATATATATATATATATATAT 508

QY 1719 atatcaatctcttatggaactcagtgccatccagaagattgattatctg 1778
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 507 ATATTTAAATATATATATATATATATATATATATATATATATATATAT 448

QY 1779 ggaagataaaaaagaatttacctgtaactcaatttaccttgagaacacggtgac 1838
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 447 AAATTTAAATATATATATATATATATATATATATATATATATATATAT 388

QY 1839 tgggttaccggtgacagcaactaaagattccatttgaattgaatlaaaaaat 1895
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 387 ATTTATATATATATATATATATATATATATATATATATATATATATAT 328

QY 1896 taagcaagaattgcttctccaactgltaaaacagataaacaacctcgaa 1955
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 327 TAAAAAATATATATATATATATATATATATATATATATATATATATAT 268

QY 1956 tggtaagacacccattatltaaacatggggaagtttaccttcaagttaccaga 2015
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 267 GTATTTAAATATATATATATATATATATATATATATATATATATATAT 208

QY 2016 aggttattcttacctgltcaagaacagattcgaagctataagttlaagttag 2075
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 207 AATTATATATATATATATATATATATATATATATATATATATATATAT 148

QY 2076 ccaagaagtagcaaatgctacagtttcaaaaaacagataaacaagtagagacactg 2135
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 147 ACAACATATATATATATATATATATATATATATATATATATATATAT 88

QY 2136 ttltgaaataataaagagcct 2157
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 87 TTGCTAACATCTTAAAAACAT 66
```

```
RESULT 9
US-09-565-306-26113
; Sequence 26113, Application US/09565306
; GENERAL INFORMATION:
; APPLICANT: Andersen, Scott E.
; APPLICANT: Conner, Timothy W.
; APPLICANT: Lalajudi, Raghunath V.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated w
; FILE REFERENCE: 38-21(15459)C
; CURRENT APPLICATION NUMBER: US/09/565,306
; CURRENT FILING DATE: 2000-05-04
; NUMBER OF SEQ ID NOS: 83523
; SEQ ID NO 26113
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Zea mays
; OTHER INFORMATION: Clone ID: CC-Zm1e189094g12a1
US-09-565-306-26113
```

Query Match 2.4%; Score 55.4; DB 22; Length 570;  
Best Local Similarity 47.9%; Pred. No. 0.18; Mismatches 206; Indels 4; Gaps 1;

```
Matches 193; Conservative 0; Mismatches 206; Indels 4; Gaps 1;

QY 1752 agaagatttgatgtatttctgtaggaagataaaaaagaagttatcttaccgtta 1811
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 59 ataaataataataataataataataataataataataataataataataataa 118

QY 1812 taatttaacattgagaaaaacggtgactggtttagcgtgtagcaagaactaaagattcca 1871
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 119 ttaaaaaataataataataataataataataataataataataataataa 178
```



Db 493 gtaaaaggtaagaatattgataataatgattttgaaaaacaatataaagaagaagaat 552  
 1954 gatggtaaaagcaaccatlaatttaaacaatgggaaagtttaacacttcaagtttaca 2013  
 Db 553 ttgtgtaaacaaaaaatgtatgtctaatt---gaaaaagaaaatttttaccagaagaaa 609  
 QY 2014 gaaggttatcttcaacttgcataagaacaagatcttgaagcgtataagtttaaagttat 2073  
 Db 610 gaattagttatataataaaagagaaaaagaataatgaataagaagaataataataaa 669  
 QY 2074 agccaaagaagtaacaaatgtctacagtttcaaaaaacagataacaagtatggaca 2130  
 Db 670 aaggaagaacaattcattataataagaaaaaggtattttgaaaaaataataagaagaa 726

```

RESULT 12
US-60-068-228-325
: Sequence 325, Application US/60068228
: GENERAL INFORMATION:
: APPLICANT: Lagace, Robert E.
: APPLICANT: Corley, Neil C.
: APPLICANT: Russo, Frank D.
: APPLICANT: Heath, Joe D.
: APPLICANT: Finey, Gregory L.
: TITLE OF INVENTION: NUCLEOTIDE SEQUENCES OF STAPHYLOCOCCUS
: EPIDERMIDIS GENOME, FRAGMENTS THEREOF, AND USES THEREOF
: NUMBER OF SEQUENCES: 466
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
: STREET: 3174 PORTER DRIVE
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: word Perfect 6.1 for Windows/MS-DOS 6.2
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/60/068,228
: FILING DATE: HEREMITH
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: CERRONE, MICHAEL C.
: REGISTRATION NUMBER: 39,132
: REFERENCE/DOCKET NUMBER: PM-0002-4 P
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 855-0555
: TELEFAX: (650) 845-4166
: INFORMATION FOR SEQ ID NO: 325:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 10721 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: circular
: MOLECULE TYPE: genomic DNA
: IMMEDIATE SOURCE:
: CLONE: SEP1c326
: US-60-068-228-325

```

Query Match	2.48;	Score 53.8;	DB 38;	Length 10721;
Best Local Similarity	44.98;	Pred. NO. 0.9;		
Matches 196; Conservative	0;	Mismatches 241;	Indels 0;	Gaps 0;

QY 1707 gaataacaataataatcatcattctttatgtaactcaagtcagatccagaagaatttggtta 1766  
Db 1865 GATMAAGCTTAAAGATPAACCTCAAGAGAGACTTAAAGANCCGCGATTAATCATTTGACGA 1934A  
QY 1767 tatattcgtatgtaagataaaaaaagtattacctgtaactcataatctaacttgaq 1826

Db	1925	TCATTAATAAAAAGAAAGCTGATGAAAAAAGATTTAAAGGGAAGATGAGATTTCGATTT	1984
Qy	1827	aaaaacgycgtcgtgttagctcgtcgtgtacacgaactaaagaattccatttgaaatgaatt	1886
Db	1985	AACATAAAAAGTAAAAAATCAATCTAAAGGAAAAATGTGTATTTAAAGTAGAAAAATTTAAAA	2044
Qy	1887	aaaaataataaagcaagaatcgtcttcctcaaacctcgttaaaacagataaaacaacactcga	1946
Db	2045	GT7AAAAAGCAAAAGATGAAAGTTTCTAAAGCTACTAAAAAAGCCGAAAAATGCATATGAAGA	2104
Qy	1947	atttaaaagctcgttaagcaaccattatlttaaacaatcgtgggaaagttaaacactlucgaag	2006
Db	2105	ATTACAAAGAGATTAAAGCAATATTAANAATTTNAAGCGAAGANGAAGCTTCAGAAAA	2164
Qy	2007	ttacccaagaagtatcttctacctctgcacaaagaataacagattctgaagcgtataagyltaa	2066
Db	2165	GGCGTTTAAAGCCAAATTTAAAGTTTGGAAATATAACATGCTTAAAGCTGAAAGAAAT	2224
Qy	2067	agtttaataagccaagaagtacgaaatgctacagtttcaaaaaacaagaaataacaagtgtatga	2126
Db	2225	TTTTAAAAAGGGAAGATCAAAATTTACTGCTTTAACTAAAAAAGTAAAAATCAGCGCTTAATCA	2284
Qy	2127	gacactcgtccttgaaa	2143
Db	2285	AATTAATGATTTGAAAA	2301

```

RESULT 13
US-60-038-081-318
: Sequence 318, Application US/60038081
: GENERAL INFORMATION:
: APPLICANT: Lagace, Robert E.
: APPLICANT: Corley, Neil C.
: APPLICANT: Russo, Frank D.
: TITLE OF INVENTION: NUCLEOTIDE SEQUENCES OF STAPHYLOCOCCUS
: TITLE OF INVENTION: EPIDIORIDIS GENOME, FRAGMENTS THEREOF, AND USES THEREOF
: NUMBER OF SEQUENCES: 514
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
: STREET: 3174 PORTER DRIVE
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/60/038,081
: FILING DATE:
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: CERRONE, MICHAEL C.
: REGISTRATION NUMBER: 39,132
: REFERENCE/DOCKET NUMBER: PM-0002P
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 855-0555
: TELEFAX: (415) 845-4166
: INFORMATION FOR SEQ ID NO: 318:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 10736 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: IMMEDIATE SOURCE:
: CLONE: SE1C0318
:
US-60-038-081-318

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query match	2.48;	Score 53.8;	DB 35;	Length 10736;
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Job time: 8721 sec

Db 1406 AAAAAAAAAATTAATTATTAATTAATACAACTTAGAAAAAATATCTTAAGATAAAT 1347

Qy 1169 cagtagaagcatabaattgaaatllgacgllttaactacacaaactatgcaa 1228

Db 1346 CAAAAAATATCAATAAAAATACATAACATATATATATAAATATATAGATAT--A 1290

Qy 1229 aatttcttctgcacaaataaataatggaagttccacaggttgctatgcttctaagcag 1288

Db 1289 AATTACATATACATATATATCAATATTAATTAATAAATATATCAAGTATTAATAATATAT 1230

Qy 1289 actcaaatctccaccagactctgaagatggtggaaaacaaatgaccacagacttaca 1348

Db 1229 ATTAATATATATATTAATAATATATATATATATATATATATATATATATATATATAG 1170

Qy 1349 caggagaagtaaaatacacatcatatgcaag--tcgtgacctcttaataatctgtgaa 1406

Db 1169 AATTAAATTAAGAAATTAATTAATTAATAAATTAATTAATAAATTAATTAATAAATAA 1110

Qy 1407 accaagagataccagactctgacactctcttaaacatatacaaaagtaattggaagg 1466

Db 1109 AATATATACCATTTATATATATATAGAAAAATTAATATATTAATAAATGTAATAAATAATTT 1050

Qy 1467 ttacagggaagaaagacagactatgagtagtgcctacactgagacacaaatgctgc 1526

Db 1049 TATATTAGAAGAAAAATTAATAATATAGTGAATTAATAAATAATAGAAAAATTAAT 990

Qy 1527 ggcactcagttagcaataataattcactga-----tagtgcgaaltagaaga 1580

Db 989 ATATATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 930

Qy 1581 taaactaaagacatcatggttltggaacatgagatgacttagcaagttgctaa 1640

Db 929 TAAATTAACCAATATATTAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 870

Qy 1641 aatcctttagtaacacagactcagactagtaactccacagactaactgacactgacttct 1700

Db 869 AAAAAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 810

Qy 1701 tattcgaataacaataataatcaatctctatggaactcagtgcatccagaagatt 1760

Db 809 ATATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 750

Qy 1761 agttagatattatcgtatggaagataaagaagttatatacctgtaactataattaac 1820

Db 749 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 690

Qy 1821 atgagaaaaacggtgactggtttagctggtgacagaactaaagattccatttgaat 1880

Db 689 AATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 630

Qy 1881 tgaattaaaaataataagcaagaatgcttctcaaatggttaaacagataaaca 1940

Db 629 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 570

Qy 1941 cctcgaaattcaagaatggttaagaacacatttaataacatgagggaagtttaacact 2000

Db 569 AATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 510

Qy 2001 tcaaggtttacagaaaggttatcttactctgtcaagaacacagattctgaagctata 2060

Db 509 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 450

Qy 2061 ggttaagtttaagccaagaagtagcaaatgctacagttcaaaaaacagaaataacaag 2120

Db 449 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 390

Qy 2121 tgatgagacactgcttltgaaataataaga 2153

Db 389 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 357

